

AMENDMENTS

In The Specification

Please delete lines 11-23 at page 23 and replace it with the following:

Deletion analysis of the *Drosophila* hsp70 heat shock promoter has identified a sequence upstream from the TATA box which is required for heat shock induction. This sequence contains homology to the analogous sequence in other heat shock genes and a consensus sequence CTxGAAxxTTCxAG (SEQ ID NO:3) has been constructed (Pelham and Bienz, 1982). When synthetic oligonucleotides, whose sequence was based on that of the consensus sequence, were constructed and placed upstream of the TATA box of the herpes virus thymidine kinase gene (tk) (in place of the normal upstream promoter element), then the resultant recombinant genes were heat-inducible both in monkey COS cells and in *Xenopus* oocytes. The tk itself is not heat inducible and probably no evolutionary pressure has occurred to make it heat inducible. But the facts above indicate that tk can be induced by a heat shock simply by replacing the normal upstream promoter element with a short synthetic sequence which has homology to a heat shock gene promoter.